

IN THE SPECIFICATION

At Page 5, please replace paragraph [0018] with the paragraph:

[0018] Pressure side circuit 64 utilizes a shear jet cooling process wherein a high-speed shear jet 100 directs cooling fluid across inner surface 74 of sidewall 46. In the exemplary embodiment, pressure side circuit 64 includes a pressure side feeding chamber 90, a pressure side transition chamber 92, and a pressure side ejection chamber 94. A first row of openings 96 are defined in the rib wall 70 which separates feeding chamber 90 and ~~transition chamber 94~~ transition chamber 92, and a second row of openings 98 are formed in the rib wall 70 separating transition chamber 92 and ejection chamber 94. In the exemplary embodiment, openings 96 and 98 are adjacent pressure sidewall inner surface 74 such that cooling fluid discharged from openings 96 and/or 98 facilitates cooling airfoil sidewall 46, thereby reducing an operating temperature of sidewall 46.

At Page 7, please replace paragraph [0023] with the paragraph:

[0023] In an alternative embodiment, suction side circuit 66 includes feeding chamber 110 and ejection chamber 118, but does not include transition chambers 112 and 114 and ejection chamber 116. In another alternative embodiment, suction side circuit 66 includes one transition chamber 112 or 114 coupled in flow communication between feeding chamber 110 and ejection chambers 116 and 118. In a further alternative embodiment, suction side circuit 66 has one ejection chamber 116 or 118 coupled in flow communication to feed chamber 110 and transition chambers 112 and 114, such that ~~suction~~ pressure side film holes 132 only receive cooling fluid discharged from one ~~cooling chamber~~ ejection chamber 116 or 118. In another alternative embodiment, airfoil inner surface 74 includes cooling enhancement features, such as, for example, turbulators, dimples, bumps, or a combination of these, to facilitate enhanced cooling and heat transfer.